

<i>Acanthaspis</i> spp.: nymphal camouflage in .. .. .	277
activity and resource distribution in house mice .. .. .	531
<i>Adalia bipunctata</i> : sexually transmitted diseases in .. .. .	131
Adélie penguins: foraging strategies in .. .. .	85
advertisement calls, differentiating in Pacific treefrogs .. .. .	1183
age	
and brood defence in mice .. .. .	613
parental effort and fecundity of Mongolian gerbils .. .. .	1129
<i>Agelaius phoeniceus</i> : parental foraging for the brood .. .. .	779
aggression and grooming reciprocity in chacma baboons .. .. .	1047
<i>Alaemon alaudipes</i> : food supplementation and behavioural decisions of .. .. .	519
Alaska: vocal clans in killer whales .. .. .	1103
ALLDREDGE, J.R. <i>see</i> CLOUTIER, S.	
<i>Alpheus</i> spp.: intersexual behaviours in .. .. .	767
Amazonian manatees: information and individual recognition in calling .. .. .	301
ambush site selection by pit-vipers .. .. .	565
<i>Amphibolurus muricatus</i> : visual communication in .. .. .	879
amphipod crustaceans: maternal care by .. .. .	707
Amphipoda: Talitridae: parasitism and burrowing depth .. .. .	269
ANDRADE, M.C.B., BANTA, E.M. Value of male remating and functional sterility in redback spiders .. .. .	857
ANDRÉS, J.A., SÁNCHEZ-GUILLÉN, R.A., CORDERO RIVERA, A. Evolution of female colour polymorphism in damselflies: testing the hypotheses .. .. .	677
<i>Anolis carolinensis</i> : male mate choice by .. .. .	1091
<i>Anser anser</i> : foraging innovations .. .. .	687
antipredator benefits of group living .. .. .	445
ants	
mate guarding and reproductive tactics .. .. .	597
task switching during colony emigration .. .. .	715
Anura: Hylidae: pattern recognition and call preferences in .. .. .	7
<i>Apherusa jurinei</i> : maternal care in .. .. .	707
<i>Apis mellifera</i>	
assess changes in nectar flow .. .. .	1
pollen foraging, adjustments in .. .. .	749
pollen-based cues in foraging .. .. .	369
vibration signals in colonies .. .. .	361
<i>Aptenodytes patagonicus</i> : foraging strategies in .. .. .	85
<i>Aquarius remigis</i> : male-female conflict, female choice and male-male competition in .. .. .	1079
Araneae: Eresidae: reproductive state and care giving .. .. .	649
Araneae: Tetragnathidae: colour-associated foraging success in .. .. .	175
arboreal ambush site selection by pit-vipers .. .. .	565
<i>Archocentrus nigrofasciatum</i> : food abundance on competitive aggression .. .. .	323
ARROYO, B. <i>see</i> JIGUET, F.	
ARROYO, B.E., DE CORNULIER, TH., BRETAGNOLLE, V. Parental investment and parent-offspring conflicts during the postfledging period in Montagu's harriers .. .. .	235
assassin bugs: nymphal camouflage in .. .. .	277
association patterns in brown-headed cowbirds .. .. .	23
attack cone avoidance in characin fish .. .. .	1175
AURELI, F. <i>see</i> CALL, J.	
avian hybridization .. .. .	103
baboons	
aggression and grooming reciprocity among .. .. .	1047
infants as commodity .. .. .	915
laterality for maternal cradling and infant nipple preferences .. .. .	511
badgers: information transmission and reception by .. .. .	999
BAILEY, R.J.E. <i>see</i> DICK, J.T.A.	
BALES, K., FRENCH, J.A., DIETZ, J.M. Explaining variation in maternal care in a cooperatively breeding mammal .. .. .	453
BALSBY, T.J.S., DABELSTEEN, T. Female behaviour affects male courtship in whitethroats, <i>Sylvia communis</i> : an interactive experiment using visual and acoustic cues .. .. .	251

Banggai cardinalfish: male size and reproductive output	..	..	..	..	..	..	727
BANTA, E.M. <i>see</i> ANDRADE, M.C.B.							
BARD, S.C. <i>see</i> BURT, J.M.							
BARRETT, L., GAYNOR, D., HENZI, S.P. A dynamic interaction between aggression and grooming reciprocity among female chacma baboons	..	..	..	..	..	..	1047
BARRETT, L. <i>see</i> HENZI, S.P.							
BARRETT-LENNARD, L. <i>see</i> YURK, H.							
BASOLO, A.L. Female discrimination against sworded males in a poeciliid fish	..	..	..	..	..	..	463
BASOLO, A.L., TRAINOR, B.C. The conformation of female preference for a composite male trait in green swordtails	..	..	..	..	..	..	469
BATESON, M., HEALY, S.D., HURLY, T.A. Irrational choices in hummingbird foraging behaviour	..	..	..	..	..	..	587
BAUWENS, D. <i>see</i> DOWNES, S.							
beach hopper: parasitism and burrowing depth of	..	..	..	..	..	..	269
beaver: dear enemy phenomenon in	..	..	..	..	..	..	1073
BEECHER, M.D. <i>see</i> BURT, J.M.							
beetles: offspring begging and parental provisioning in	..	..	..	..	..	..	577
begging in superb fairy-wrens	..	..	..	..	..	..	923
behavioural decisions and food supplementation of hoopoe-larks	..	..	..	..	..	..	519
behavioural flexibility in birds	..	..	..	..	..	..	495
behavioural interference in lacertid lizard species	..	..	..	..	..	..	1037
behavioural sequences, state-free optimization model for	..	..	..	..	..	..	183
BENNETT, A.T.D. <i>see</i> MADDOCKS, S.A.							
BENOWITZ-FREDERICKS, Z.M. <i>see</i> LYNN, S.E.							
BIDDAU, L. <i>see</i> PILASTRO, A.							
birds							
behavioural flexibility and invasion success in	..	..	..	..	..	..	495
size and change in composition of song repertoires	..	..	..	..	..	..	623
bitterling: host species preferences by	..	..	..	..	..	..	1029
BJØRKØYLI, T. <i>see</i> ROSELL, F.							
black iguana: social behaviour and blood parasites in	..	..	..	..	..	..	311
black-billed magpie: information on quality in different age/sex classes	..	..	..	..	..	..	217
BLANCO, G., DE LA PUENTE, J. Multiple elements of the black-billed magpie's tail correlate with variable honest information on quality in different age/sex classes	..	..	..	..	..	..	217
blood parasites and social behaviour in black iguana	..	..	..	..	..	..	311
blue tits: mate choice and light environment	..	..	..	..	..	..	69
body mass and daily singing of European robins	..	..	..	..	..	..	285
BOIX-HINZEN, C. <i>see</i> STANBACK, M.							
<i>Bombus terrestris</i> : collective control of nest climate	..	..	..	..	..	..	1065
BOULINIER, T. <i>see</i> GARAMSZEGLI, L.A.							
BOYLE, J. <i>see</i> UETZ, G.W.							
BRANDT, M., MAHSBERG, D. Bugs with a backpack: the function of nymphal camouflage in the West African assassin bugs <i>Pseudocla</i> and <i>Acanthaspis</i>	..	..	..	..	..	..	277
BRANSTRATOR, D. <i>see</i> PRETE, F.R.							
BRAUNE, P. <i>see</i> RADESPIEL, U.							
BREAU, C. <i>see</i> GRANT, J.W.A.							
BRENOWITZ, E.A. <i>see</i> ROSE, G.J.							
BRETAGNOLLE, V. <i>see</i> ARROYO, B.E.							
BRITTON, N.F. <i>see</i> SENDOVA-FRANKS, A.B.							
brood defence and age in mice	..	..	..	..	..	..	613
BROWN, G.E., DREIER, V.M. Predator inspection behaviour and attack cone avoidance in a characin fish: the effects of predator diet and prey experience	..	..	..	..	..	..	1175
BROWN, J.S. <i>see</i> OLSSON, O.							
brown-headed cowbirds							
association patterns in	..	..	..	..	..	..	23
song learning, ecological effects on	..	..	..	..	..	..	475
BRUMM, H., TODT, D. Noise-dependent song amplitude regulation in a territorial songbird	..	..	..	..	..	..	891
BSHARY, R., GRUTTER, A.S. Asymmetric cheating opportunities and partner control in a cleaner fish mutualism	..	..	..	..	..	..	547
BSHARY, R., SCHÄFFER, D. Choosy reef fish select cleaner fish that provide high-quality service	..	..	..	..	..	..	557
bumblebees: collective control of nest climate	..	..	..	..	..	..	1065
burrowing depth of beach hoppers	..	..	..	..	..	..	269

BURT, J.M., BARD, S.C., CAMPBELL, S.E., BEECHER, M.D. Alternative forms of song matching in song sparrows .. .. .	1143
burying beetles: offspring begging and parental provisioning in .. .. .	577
BUSH, S.L., GERHARDT, H.C., SCHUL, J. Pattern recognition and call preferences in treefrogs (Anura: Hylidae): a quantitative analysis using a no-choice paradigm .. .. .	7
bustards: lekking behaviour .. .. .	899
BUSZKO, J. <i>see</i> WEBBERLEY, K.M.	
butterflyfish: partner recognition and tail-up display in .. .. .	165
<i>Calcaricus ornatus</i> : paternal care and testosterone .. .. .	795
CALDERONE, N.W., JOHNSON, B.R. The within-nest behaviour of honeybee pollen foragers in colonies with a high or low need for pollen .. .. .	749
CALL, J., AURELI, F., DE WAAL, F.B.M. Postconflict third-party affiliation in stump-tailed macaques .. .. .	209
calls/calling	
of Carolina chickadees .. .. .	837
differentiating in Pacific treefrogs .. .. .	1183
information and individual recognition in Amazonian manatees .. .. .	301
male, female discrimination of in treefrogs .. .. .	15
preferences in treefrogs .. .. .	7
variation within rhesus monkey screams .. .. .	47
<i>Calopteryx haemorrhoidalis</i> : wing pigmentation in .. .. .	759
CAMPBELL, F.M., HEYES, C.M. Rats smell: odour-mediated local enhancement in a vertical movement two-action test .. .. .	1055
CAMPBELL, S.E. <i>see</i> BURT, J.M.	
Campbell's monkeys: communication by .. .. .	293
cannibalism	
filial, in fish .. .. .	227
spread by social learning .. .. .	1153
CANNICCI, S., MORINO, L., VANNINI, M. Behavioural evidence for visual recognition of predators by the mangrove climbing crab, <i>Sesarma leptosoma</i> .. .. .	77
CARLIS, J.V. <i>see</i> WILLIAMS, J.M.	
Carolina chickadees: calls of .. .. .	837
<i>Castor fiber</i> : dear enemy phenomenon in .. .. .	1073
<i>Cebuella pygmaea</i> : vocal communication of .. .. .	847
<i>Ceratitis capitata</i> : longevity in .. .. .	121
<i>Cercopithecus campbelli</i> : communication by .. .. .	293
<i>Cercopithecus diana</i> : communication by .. .. .	293
<i>Ceriagrion tenellum</i> : female colour polymorphism in .. .. .	677
chacma baboons: aggression and grooming reciprocity among .. .. .	1047
<i>Chaetodon lumulatus</i> : partner recognition and tail-up display in .. .. .	165
CHAPMAN, T. <i>see</i> GASKIN, T.	
characin fish: predator inspection behaviour and attack cone avoidance in .. .. .	1175
cheating opportunities in cleaner fish mutualism .. .. .	547
chestnut-collared longspur: paternal care and testosterone .. .. .	795
chickens	
cannibalistic behaviour spread by social learning .. .. .	1153
head movements and eye use .. .. .	991
receiver bias for symmetry .. .. .	617
social dispersal by .. .. .	659
social learning and novel food .. .. .	933
social recognition and approach in .. .. .	697
chimpanzees: female competition and male territorial behaviour .. .. .	347
CHUANG, C.-P. <i>see</i> SAKATA, J.T.	
<i>Circus pygargus</i> : parent-offspring conflicts .. .. .	235
CLARK, M.M., MOGHADDAS, M., GALEF, B.G. Jr Age at first mating affects parental effort and fecundity of female Mongolian gerbils .. .. .	1129
cleaner fish	
cheating opportunities and partner control in .. .. .	547
selection of to provide high-quality service .. .. .	557
CLOUTIER, S., NEWBERRY, R.C., HONDA, K., ALLDREDGE, J.R. Cannibalistic behaviour spread by social learning .. .. .	1153
<i>Coccipolipus hippodamiae</i> : sexually transmitted diseases by .. .. .	131

COCKBURN, A. <i>see</i> MacGREGOR, N.A.	
colour	
polymorphism in female damselflies .. .. .	677
wing pigmentation in territorial male damselflies .. .. .	759
colour-associated foraging success in giant wood spiders .. .. .	175
communication	
forest monkeys, syntactic rule in .. .. .	293
vibration signals in honeybee colonies .. .. .	361
visual, in lizards .. .. .	879
of wild pygmy marmosets .. .. .	847
competition	
aggression and food abundance in convict cichlids .. .. .	323
in task switching during emigration in ants .. .. .	715
convict cichlids: food abundance on competitive aggression in .. .. .	323
COOPER, R.C. <i>see</i> JAEGER, R.G.	
CORDERO RIVERA, A. <i>see</i> ANDRÉS, J.A.	
corticosterone on social behaviour and blood parasites in black iguana .. .. .	311
costs and preferences in food rewards in starlings .. .. .	246
cotton-top tamarins	
infant care by .. .. .	1163
perception of object relations .. .. .	419
courtship in <i>Drosophila melanogaster</i> .. .. .	143
crayfish: prey responses to pulses of risk and safety .. .. .	437
CÓRDOBA-AGUILAR, A. Wing pigmentation in territorial male damselflies, <i>Calopteryx haemorrhoidalis</i> : a possible relation to sexual selection .. .. .	759
CREWS, D. <i>see</i> SAKATA, J.T.	
CRISTOL, D.A. <i>see</i> GAMBLE, J., R.	
crustaceans: maternal care by .. .. .	707
<i>Ctenosaura similis</i> : social behaviour and blood parasites in .. .. .	311
cultural transmission in killer whales .. .. .	1103
CURRIE, R.W. <i>see</i> PERNAL, S.F.	
CUTHILL, I.C.	
<i>see</i> MADDOCKS, S.A.	
<i>see</i> THOMAS, R.J.	
DA FONSECA, G.A.B. <i>see</i> SOUSA-LIMA, R.	
DABELSTEEN, T. <i>see</i> BALSLEY, T.J.S.	
DAL SECCO, V. <i>see</i> RADESPIEL, U.	
DAMEROSE, E., HOPKINS, W.D. Scan and focal sampling: reliability in the laterality for maternal cradling and infant nipple preferences in olive baboons, <i>Papio anubis</i> .. .. .	511
damselflies	
female colour polymorphism in .. .. .	677
wing pigmentation in .. .. .	759
DAWKINS, M.S. What are birds looking at? Head movements and eye use in chickens .. .. .	991
DE CORNULIER, TH. <i>see</i> ARROYO, B.E.	
DE LA PUENTE, J. <i>see</i> BLANCO, G.	
DE LA TORRE, S., SNOWDON, C.T. Environmental correlates of vocal communication of wild pygmy marmosets, <i>Cebuella pygmaea</i> .. .. .	847
DE NEVE, L., SOLER, J.J. Nest-building activity and laying date influence female reproductive investment in magpies: an experimental study .. .. .	975
DE WAAL, F.B.M. <i>see</i> CALL, J.	
dear enemy phenomenon in Eurasian beavers .. .. .	1073
decision rules, robustness and optimality of .. .. .	805
DeGRANDI-HOFFMAN, G. <i>see</i> LEWIS, L.A.	
DENG, C., ROGERS, L.J. Social recognition and approach in the chick: lateralization and effect of visual experience .. .. .	697
DENHAM, A. <i>see</i> SOMMER, V.	
density and longevity in medfly .. .. .	121
Diana monkeys: communication by .. .. .	293
DICK, J.T.A., BAILEY, R.J.E., ELWOOD, R.W. Maternal care in the rockpool amphipod <i>Apherusa jurinei</i> : developmental and environmental cues .. .. .	707
diet: predator inspection behaviour and attack cone avoidance in characin fish .. .. .	1175

DIETZ, J.M. <i>see</i> BALES, K.	
DITTAMI, J.P. <i>see</i> HUBER, S.	
domestic chicks, domestic hens <i>see</i> chickens	
DOWNES, S., BAUWENS, D. An experimental demonstration of direct behavioural interference in two Mediterranean lacertid lizard species .. .. .	1037
DREIER, V.M. <i>see</i> BROWN, G.E.	
DRÖGEMÜLLER, C. <i>see</i> RADESPIEL, U.	
drop-catch behaviour as play in herring gulls .. .. .	339
<i>Drosophila melanogaster</i> : courtship conditioning in .. .. .	143
dung fly: sperm competition in .. .. .	541
'early warning' effect .. .. .	445
ectoparasites: sexually transmitted diseases by .. .. .	131
egg discrimination in weaverbirds .. .. .	1135
ELWOOD, R.W. <i>see</i> DICK, J.T.A.	
emigration: competition in task switching in ants .. .. .	715
encounter calls, differentiating in Pacific treefrogs .. .. .	1183
ENGQVIST, L., SAUER, K.P. Amorous scorpionflies: causes and consequences of the long pairing prelude of <i>Panorpa cognata</i> .. .. .	667
ENQUIST, M. <i>see</i> JÄNSSON, L.	
<i>Erithacus rubecula</i> : body mass and daily singing .. .. .	285
estimation of size and change in composition of avian song repertoires .. .. .	623
<i>Eublepharis macularius</i> : territorial and reproductive behaviours in .. .. .	487
Eurasian beaver: dear enemy phenomenon in .. .. .	1073
European ground squirrel: paternal effort and mating success in .. .. .	157
European robins: body mass and daily singing .. .. .	285
EVANS, C.S. <i>see</i> ORD, T.J.	
extrapair paternity in rock sparrows .. .. .	967
eye use in chickens .. .. .	991
FACCHIN, L. <i>see</i> JONES, R.B.	
FARINA, W.M. <i>see</i> WAINSELBOIM, A.J.	
FARM, B.P. <i>see</i> WILLIAMS, J.M.	
fecundity of Mongolian gerbils .. .. .	1129
female aggression and maternal testosterone in tree swallow eggs .. .. .	63
female behaviour and male courtship in whitethroats .. .. .	251
female competition in female chimpanzees .. .. .	347
female discrimination of male calls in treefrogs .. .. .	15
female mate choice	
and avian hybridization .. .. .	103
for composite male trait in green swordtails .. .. .	469
in pied flycatcher .. .. .	97
in poeciliid fish .. .. .	463
in pygmy swordtail .. .. .	37
in water striders .. .. .	1079
female salamanders: polyandrous, punishment of .. .. .	871
FERKIN, M.H. <i>see</i> PAZ-Y-MIÑO, C.	
<i>Ficedula hypoleuca</i> : female mate choice in .. .. .	97
fiddler crab: flock movement in .. .. .	735
filial cannibalism in fish .. .. .	227
flock movement in fiddler crab .. .. .	735
FOITZIK, S., HEINZE, J., OBERSTADT, B., HERBERS, J.M. Mate guarding and alternative reproductive tactics in the ant <i>Hypoponera opacior</i> .. .. .	597
food abundance on competitive aggression in convict cichlids .. .. .	323
food rewards, costs and preferences in starlings .. .. .	246
food supplementation on behavioural decisions of hoopoe-larks .. .. .	519
foraging	
ambush site selection by pit-vipers .. .. .	565
colour-associated success in giant wood spiders .. .. .	175
haste among penguins .. .. .	85
honeybees assess changes in nectar flow .. .. .	1
hummingbird behaviour in .. .. .	587
innovations, hormonal correlates of .. .. .	687





- HEALY, S.D. *see* BATESON, M.  
 HEINZE, J. *see* FOITZIK, S.  
 HEISENBERG, M. *see* REIF, M.  
*Hemigrammus erythrozonus*: predator inspection behaviour and attack cone avoidance in .. .. 1175  
 HENZI, S.P., BARRETT, L. Infants as a commodity in a baboon market .. .. 915  
 HENZI, S.P. *see* BARRETT, L.  
 HERBERS, J.M. *see* FOITZIK, S.  
 herring gulls: drop-catch behaviour in .. .. 339  
 HERZEL, H. *see* FITCH, W.T.  
*Heterandria bimaculata*: female mate preference in .. .. 463  
 HEYES, C.M.  
     *see* CAMPBELL, F.M.  
     *see* SHERWIN, C.M.  
 HIEBER, C.S. *see* UETZ, G.W.  
*Hipposcarus harid*: selection of cleaner fish .. .. 557  
 HONDA, K. *see* CLOUTIER, S.  
 honest information on quality in different age/sex classes .. .. 217  
 honeybees  
     assess changes in nectar flow .. .. 1  
     pollen foraging, adjustments in .. .. 749  
     pollen-based cues in foraging .. .. 369  
     vibration signals in colonies .. .. 361  
 HONKAVAARA, J. *see* SIITARI, H.  
 hoopoe-larks: food supplementation and behavioural decisions of .. .. 519  
 HOPKINS, W.D. *see* DAMEROSE, E.  
 hormonal correlates of foraging innovations .. .. 687  
 HOSKEN, D.J. *see* MARTIN, O.Y.  
 HUBER, S., MILLESI, E., DITTAMI, J.P. Paternal effort and its relation to mating success in the European ground squirrel .. .. 157  
 HUHTA, E. *see* SIITARI, H.  
 hummingbird: foraging behaviour of .. .. 587  
 HUNT, S. *see* MADDOCKS, S.A.  
 HURD, L.E. *see* PRETE, F.R.  
 HURLY, T.A. *see* BATESON, M.  
 HURST, G.D.D. *see* WEBBERLEY, K.M.  
 HURST, J.L. *see* GRAY, S.J.  
 hybridization in birds: mixed pairing and female choice .. .. 103  
*Hyla chrysoscelis*: pattern recognition and call preferences in .. .. 7  
*Hyla ebraccata*: female discrimination of male calls .. .. 15  
*Hyla regilla*: differentiating advertisement from encounter calls .. .. 1183  
*Hyla versicolor*: pattern recognition and call preferences in .. .. 7  
*Hypoponera opacior*: mate guarding and reproductive tactics in .. .. 597  
 Indian langur monkeys: postconflict behaviour .. .. 637  
 infant baboons as commodity .. .. 915  
 infant care by cottontop tamarins .. .. 1163  
 infant nipple preferences, laterality for in baboons .. .. 511  
 information transmission and reception by badgers .. .. 999  
 intersexual behaviours in snapping shrimp .. .. 767  
 invasion success in birds .. .. 495  
 JAEGER, R.G., GILLETTE, J.R., COOPER, R.C. Sexual coercion in a territorial salamander: males punish socially polyandrous female partners .. .. 871  
 JANSSEN, L., FORKMAN, B., ENQUIST, M. Experimental evidence of receiver bias for symmetry .. .. 617  
 JAULIN, S. *see* JIGUET, F.  
 JENSEN, S.P. *see* GRAY, S.J.  
 JENSSEN, T.A. *see* ORRELL, K.S.  
 JIGUET, F., JAULIN, S., ARROYO, B. Resource defence on exploded leks: do male little bustards, *T. tetraz*, control resources for females? .. .. 899  
 JOHNSON, A. *see* PRETE, F.R.  
 JOHNSON, B.R. *see* CALDERONE, N.W.  
 JOHNSON, S.C. *see* KODRIC-BROWN, A.

JONES, R.B., FACCHIN, L., McCORQUODALE, C. Social dispersal by domestic chicks in a novel environment: reassuring properties of a familiar odourant .. .. .	659
JONES, T.M., QUINNELL, R.J. Testing predictions for the evolution of lekking in the sandfly, <i>Lutzomyia longipalpis</i> .. .. .	605
KACELNIK, A., MARSH, B. Cost can increase preference in starlings .. .. .	246
KARASKOV, T. <i>see</i> KOREN, L.	
KATO, A. <i>see</i> WILSON, R.P.	
killer whales: vocal clans in .. .. .	1103
KING, A.P. <i>see</i> SMITH, V.A.	
KING, S.A. <i>see</i> MacFARLANE, G.R.	
King penguins: foraging strategies in .. .. .	85
KLEIN, J. <i>see</i> KOREN, L.	
KLEINEIDAM, C. <i>see</i> WEIDENMÜLLER, A.	
KODRIC-BROWN, A., JOHNSON, S.C. Ultraviolet reflectance patterns of male guppies enhance their attractiveness to females .. .. .	391
KOLM, N. Male size determines reproductive output in a paternal mouthbrooding fish .. .. .	727
KONDOH, M., OKUDA, N. Mate availability influences filial cannibalism in fish with paternal care .. .. .	227
KOREN, G. <i>see</i> KOREN, L.	
KOTRSCHAL, K. <i>see</i> PFEFFER, K.	
KRALIK, J.D., HAUSER, M.D. A nonhuman primate's perception of object relations: experiments on cottontop tamarins, <i>Saguinus oedipus</i> .. .. .	419
KRUPA, J.J. <i>see</i> SIH, A.	
KU, T.-H. <i>see</i> TSO, I.-M.	
KUO, C.-H. <i>see</i> TSO, I.-M.	
LABES, E. <i>see</i> RADESPIEL, U.	
<i>Labroides dimidiatus</i>	
cheating opportunities and partner control in .. .. .	547
selection of .. .. .	557
lacertid lizards: competitive exclusion in .. .. .	1037
ladybirds: sexually transmitted diseases in .. .. .	131
LAHTI, A.R. <i>see</i> LAHTI, D.C.	
LAHTI, D.C., LAHTI, A.R. How precise is egg discrimination in weaverbirds? .. .. .	1135
langur monkeys: postconflict behaviour .. .. .	637
<i>Larus argentatus</i> : drop-catch behaviour in .. .. .	339
laterality for maternal cradling in olive baboons .. .. .	511
LATHAM, A.D.M. <i>see</i> POULIN, R.	
latrines: information transmission and reception by badgers .. .. .	999
<i>Latrodectus hasselti</i> : male remating and functional sterility .. .. .	857
LAUER, M. <i>see</i> SIH, A.	
LE PRELL, C.G., HAUSER, M.D., MOODY, D.B. Discrete or graded variation within rhesus monkey screams? Psychophysical experiments on classification .. .. .	47
learning	
social	
association patterns in brown-headed cowbirds .. .. .	23
in chickens, cannibalistic behaviour spread by .. .. .	1153
and novel food in domestic hens .. .. .	933
song, ecological effects on .. .. .	475
LEFEBVRE, L. <i>see</i> SOL, D.	
lekking	
evolution of in the sandfly .. .. .	605
resource defence by little bustards .. .. .	899
lemurs: sexual selection, multiple mating and paternity in .. .. .	259
LEONARD, S.T. <i>see</i> PAZ-Y-MIÑO, C.	
<i>Leontopithecus rosalia</i> : maternal care, variation in .. .. .	453
leopard geckos: territorial and reproductive behaviours in .. .. .	487
<i>Leptothorax albigennis</i> : task switching during colony emigration .. .. .	715
LEWIS, L.A., SCHNEIDER, S.S., DeGRANDI-HOFFMAN, G. Factors influencing the selection of recipients by workers performing vibration signals in colonies of the honeybee, <i>Apis mellifera</i> .. .. .	361
LINSENMAIR, K.E. <i>see</i> REIF, M.	
LITTLE, K. <i>see</i> SOMMER, V.	



lizards		
competitive exclusion in	.. .. .	1037
male mate choice by	.. .. .	1091
visual communication in	.. .. .	879
long pairing prelude of scorpionflies	.. .. .	667
longevity in medfly	.. .. .	121
longnosed parrotfish: selection of cleaner fish	.. .. .	557
LUCAS, J.R. <i>see</i> FREEBERG, T.M.		
<i>Luscinia megarhynchos</i>		
costs of singing in	.. .. .	959
song amplitude regulation in	.. .. .	891
LUTTBEG, B. Assessing the robustness and optimality of alternative decision rules with varying assumptions	.. .. .	805
<i>Lutzomyia longipalpis</i> : evolution of lekking in	.. .. .	605
LYNN, S.E., HAYWARD, L.S., BENOWITZ-FREDERICKS, Z.M., WINGFIELD, J.C. Behavioural insensitivity to supplementary testosterone during the parental phase in the chestnut-collared longspur		
<i>Calcarius ornatus</i>	.. .. .	795
<i>Macaca arctoides</i> : postconflict third-party affiliation	.. .. .	209
<i>Macaca mulatta</i> : variation within screams	.. .. .	47
MacDONALD, D.W. <i>see</i> STEWART, P.D.		
MacGREGOR, N.A., COCKBURN, A. Sex differences in parental response to begging nestlings in superb fairy-wrens	.. .. .	923
MacLAREN, R.D. <i>see</i> ROWLAND, W.J.		
MADDOCKS, S.A., BENNETT, A.T.D., HUNT, S., CUTHILL, I.C. Context-dependent visual preferences in starlings and blue tits: mate choice and light environment	.. .. .	69
Magellanic penguins: foraging strategies in	.. .. .	85
magpies: nest-building in	.. .. .	975
MAHSBERG, D. <i>see</i> BRANDT, M.		
MAJERUS, M.E.N. <i>see</i> WEBBERLEY, K.M.		
male attractiveness and ultraviolet reflectance in guppies	.. .. .	391
male calls in Neotropical frogs, female discrimination of	.. .. .	15
male courtship in whitethroats	.. .. .	251
male mate choice by lizards	.. .. .	1091
male remating in redback spiders	.. .. .	857
male size and reproductive output in fish	.. .. .	727
male territorial behaviour in female chimpanzees	.. .. .	347
male-female conflict in water striders	.. .. .	1079
male-male competition in water striders	.. .. .	1079
male-male interaction and longevity in medfly	.. .. .	121
<i>Malurus cyaneus</i> : parental response to begging	.. .. .	923
Mammalia: Sirenia: signature information and individual recognition in calls	.. .. .	301
mammals		
maternal care, variation in	.. .. .	453
vocal production, nonlinear phenomena in	.. .. .	407
mangrove climbing crab: visual recognition of predators	.. .. .	77
marmosets: vocal communication of	.. .. .	847
MARSH, B. <i>see</i> KACELNIK, A.		
MARTIN, O.Y., HOSKEN, D.J. Strategic ejaculation in the common dung fly, <i>Sepsis cynipsea</i>	.. .. .	541
mate availability and filial cannibalism in fish	.. .. .	227
mate choice		
copying in sailfin molly	.. .. .	943
and light environment	.. .. .	69
male, by lizards	.. .. .	1091
and scent marking in prairie voles	.. .. .	1121
mate guarding in ants	.. .. .	597
maternal care		
in amphipods	.. .. .	707
variation in	.. .. .	453
maternal cradling, laterality for in baboons	.. .. .	511
maternal testosterone in tree swallow eggs	.. .. .	63

MATHEWS, L.M. Territorial cooperation and social monogamy: factors affecting intersexual behaviours in pair-living snapping shrimp .. .. .	767
mating success and paternal effort in European ground squirrel .. .. .	157
MATKIN, C.O. <i>see</i> YURK, H.	
McCARTHY, T.M. <i>see</i> SIH, A.	
McCORQUODALE, C. <i>see</i> JONES, R.B.	
meadow voles: self-grooming and sibling recognition in .. .. .	331
medfly: longevity in .. .. .	121
<i>Meles meles</i> : information transmission and reception by .. .. .	999
<i>Melospiza melodia</i> : song matching in .. .. .	1143
MENDELSON, J. <i>see</i> STANBACK, M.	
<i>Meriones unguiculatus</i> : age and parental effort and fecundity in .. .. .	1129
<i>Metepeira incrassata</i> : antipredator benefits of group living .. .. .	445
mice	
age and brood defence in .. .. .	613
resource distribution and activity and territory defence .. .. .	531
MICHL, G. <i>see</i> GARAMSZEGI, L.A.	
<i>Microcebus murinus</i> : sexual selection, multiple mating and paternity .. .. .	259
<i>Microtus ochrogaster</i>	
scent marking and mate choice in .. .. .	1121
self-grooming and sibling recognition in .. .. .	331
<i>Microtus pennsylvanicus</i> : self-grooming and sibling recognition in .. .. .	331
MILLES, E. <i>see</i> HUBER, S.	
MILLS, S.C., REYNOLDS, J.D. Host species preferences by bitterling, <i>Rhodeus sericeus</i> , spawning in freshwater mussels and consequences for offspring survival .. .. .	1029
MINGOZZI, T. <i>see</i> PILASTRO, A.	
MØLLER, A.P. <i>see</i> GARAMSZEGI, L.A.	
MOGHADDAS, M. <i>see</i> CLARK, M.M.	
MOKADY, O. <i>see</i> KOREN, L.	
<i>Molothrus ater</i>	
association patterns in .. .. .	23
song learning, ecological effects on .. .. .	475
Mongolian gerbils: age and parental effort and fecundity in .. .. .	1129
monkeys: syntactic rule in communication .. .. .	293
monogamy, genetic, in Monteiro's hornbill .. .. .	787
Montagu's harriers: parent-offspring conflicts .. .. .	235
Monteiro's hornbill: genetic monogamy in .. .. .	787
MOODY, D.B. <i>see</i> LE PRELL, C.G.	
MOORE, A.J. <i>see</i> SMISETH, P.T.	
MORINO, L. <i>see</i> CANNICCI, S.	
multiple mating in grey mouse lemurs .. .. .	259
<i>Mus musculus domesticus</i>	
age and brood defence in .. .. .	613
resource distribution and activity and territory defence .. .. .	531
mussels: host species preferences by bitterling .. .. .	1029
muting nestlings reduces parental foraging .. .. .	779
mutualism: cheating opportunities and partner control in cleaner fish .. .. .	547
nectar flow: honeybees assess changes in .. .. .	1
<i>Nephila maculata</i> : colour-associated foraging success in .. .. .	175
nest climate, control of in bumblebee colonies .. .. .	1065
nest desertion in great tits .. .. .	951
nest building in magpies .. .. .	975
NEUBAUER, J. <i>see</i> FITCH, W.T.	
NEWBERRY, R.C. <i>see</i> CLOUTIER, S.	
NEWMAN, C. <i>see</i> STEWART, P.D.	
NICHOLS, J.D. <i>see</i> GARAMSZEGI, L.A.	
NICOL, C.J. <i>see</i> SHERWIN, C.M.	
<i>Nicrophorus vespilloides</i> : parental provisioning in .. .. .	577
nightingales	
costs of singing .. .. .	959
song amplitude regulation in .. .. .	891

nonlinear phenomena in mammalian vocal production	..	..	..	..	..	..	407
nymphal camouflage in West African assassin bugs	..	..	..	..	..	..	277
OBERSTADT, B. see FOITZIK, S.							
odour and social dispersal by domestic chicks	..	..	..	..	..	..	659
odour-mediated behavioural enhancement in rats	..	..	..	..	..	..	1055
offspring begging and parental provisioning in partially begging species	..	..	..	..	..	..	577
OKUDA, N. see KONDOH, M.							
olive baboons: maternal cradling and infant nipple preferences	..	..	..	..	..	..	511
O'LOGHLEN, A.L., ROTHSTEIN, S.I. Ecological effects on song learning: delayed development is widespread in wild populations of brown-headed cowbirds	..	..	..	..	..	..	475
OLSSON, O., BROWN, J.S., SMITH, H.G. Long- and short-term state-dependent foraging under predation risk: an indication of habitat quality	..	..	..	..	..	..	981
optimization model for behavioural sequences	..	..	..	..	..	..	183
<i>Oronectes juvenilis</i> : prey responses to pulses of risk and safety	..	..	..	..	..	..	437
ORD, T.J., PETERS, R.A., EVANS, C.S., TAYLOR, A.J. Digital video playback and visual communication in lizards	..	..	..	..	..	..	879
ORRELL, K.S., JENSSEN, T.A. Male mate choice by the lizard <i>Anolis carolinensis</i> : a preference for novel females	..	..	..	..	..	..	1091
Pacific treefrogs: differentiating advertisement from encounter calls	..	..	..	..	..	..	1183
PAGLIA, A.P. see SOUSA-LIMA, R.							
<i>Pan troglodytes</i> : female competition and male territorial behaviour in	..	..	..	..	..	..	347
<i>Panorpa cognata</i> : long pairing prelude in	..	..	..	..	..	..	667
<i>Papio anubis</i> : maternal cradling and infant nipple preferences	..	..	..	..	..	..	511
<i>Papio cynocephalus ursinus</i>							
aggression and grooming reciprocity among	..	..	..	..	..	..	1047
infants as commodity	..	..	..	..	..	..	915
parasitism							
and burrowing depth of beach hoppers	..	..	..	..	..	..	269
host species preferences by bitterling	..	..	..	..	..	..	1029
<i>Paredocla</i> spp.: nymphal camouflage in	..	..	..	..	..	..	277
parental effort and age in Mongolian gerbils	..	..	..	..	..	..	1129
parental experience and infant care by cottontop tamarins	..	..	..	..	..	..	1163
parental investment and parent-offspring conflicts in Montagu's harriers	..	..	..	..	..	..	235
parental provisioning and offspring begging in partially begging species	..	..	..	..	..	..	577
parent-offspring conflicts in Montagu's harriers	..	..	..	..	..	..	235
partner control in cleaner fish mutualism	..	..	..	..	..	..	547
partner recognition and tail-up display in butterflyfish	..	..	..	..	..	..	165
<i>Parus major</i> : nest desertion	..	..	..	..	..	..	951
paternal care							
filial cannibalism in fish with	..	..	..	..	..	..	227
and mating success in European ground squirrel	..	..	..	..	..	..	157
and testosterone in chestnut-collared longspur	..	..	..	..	..	..	795
paternity in grey mouse lemurs	..	..	..	..	..	..	259
pattern recognition in treefrogs	..	..	..	..	..	..	7
PAZ-Y-MIÑO, C., LEONARD, S.T., FERKIN, M.H., TRIMBLE, J.F. Self-grooming and sibling recognition in meadow voles, <i>Microtus pennsylvanicus</i> , and prairie voles, <i>M. ochrogaster</i>	..	..	..	..	..	..	331
penguins: foraging strategies in	..	..	..	..	..	..	85
perception: of object relations in primate	..	..	..	..	..	..	419
perfume blending in greater sac-winged bats	..	..	..	..	..	..	907
PERNAL, S.F., CURRIE, R.W. Discrimination and preferences for pollen-based cues by foraging honeybees, <i>Apis mellifera</i> L.	..	..	..	..	..	..	369
PETERS, R.A. see ORD, T.J.							
<i>Petronia petronia</i> : extrapair paternity in	..	..	..	..	..	..	967
PFEFFER, K., FRITZ, J., KOTRSCHAL, K. Hormonal correlates of being an innovative greylag goose, <i>Anser anser</i>	..	..	..	..	..	..	687
PFLANZ, T. Age and brood defence in male CRL:NMRI BR laboratory mice, <i>Mus musculus domesticus</i>	..	..	..	..	..	..	613
<i>Physa gyrina</i> : prey responses to pulses of risk and safety	..	..	..	..	..	..	437
<i>Pica pica</i>							
information on quality in different age/sex classes	..	..	..	..	..	..	217
nest building in	..	..	..	..	..	..	975

pied flycatcher: female mate choice in .. .. .	97
PILASTRO, A., GRIGGIO, M., BIDDAU, L., MINGOZZI, T. Extrapair paternity as a cost of polygyny in the rock sparrow: behavioural and genetic evidence of the 'trade-off' hypothesis .. .. .	967
Pisces: Poeciliidae: female mating preferences .. .. .	37
pit-vipers: arboreal ambush site selection by .. .. .	565
play: drop-catch behaviour in herring gulls .. .. .	339
<i>Plethodon cinereus</i> : sexual coercion in .. .. .	871
<i>Ploceus cucullatus</i> : egg discrimination in .. .. .	1135
<i>Podarcis melisellensis</i> : competitive exclusion in .. .. .	1037
<i>Podarcis sicula</i> : competitive exclusion in .. .. .	1037
<i>Poecile carolinensis</i> : calls of .. .. .	837
<i>Poecilia latipinna</i> : mate choice copying in .. .. .	943
<i>Poecilia reticulata</i> : ultraviolet reflectance and male attractiveness .. .. .	391
poeciliid fish: female discrimination against sworded males .. .. .	463
pollen foraging in honeybees .. .. .	749
pollen-based cues by foraging honeybees .. .. .	369
polymorphism: female colour, in damselflies .. .. .	677
postconflict behaviour of wild Indian langur monkeys .. .. .	637
postconflict third-party affiliation in stump-tailed macaques .. .. .	209
posture cues signal spawning readiness in sticklebacks .. .. .	743
POULIN, R., LATHAM, A.D.M. Parasitism and the burrowing depth of the beach hopper <i>Talorchestia quoyana</i> (Amphipoda: Talitridae) .. .. .	269
prairie voles .. .. .	
scent marking and mate choice in .. .. .	1121
self-grooming and sibling recognition in .. .. .	331
praying mantis: responses to computer-generated visual stimuli by .. .. .	503
predation: visual recognition of by mangrove climbing crabs .. .. .	77
predator inspection behaviour in characin fish .. .. .	1175
PRETE, F.R., HURD, L.E., BRANSTRATOR, D., JOHNSON, A. Responses to computer-generated visual stimuli by the male praying mantis, <i>Sphodromantis lineola</i> (Burmeister) .. .. .	503
prey experience: inspection behaviour and attack cone avoidance .. .. .	1175
prey responses to pulses of risk and safety .. .. .	437
<i>Priapella</i> : female mate preference .. .. .	463
primates: perception of object relations .. .. .	419
<i>Pterapogon kauderni</i> : male size and reproductive output .. .. .	727
PUSEY, A.E. see WILLIAMS, J.M.	
pygmy marmosets: vocal communication of .. .. .	847
pygmy swordtail: female mating preferences .. .. .	37
<i>Pygoscelis adeliae</i> : foraging strategies .. .. .	85
QUINNELL, R.J. see JONES, T.M.	
RADESPIEL, U., DAL SECCO, V., DRÖGEMÜLLER, C., BRAUNE, P., LABES, E., ZIMMERMANN, E. Sexual selection, multiple mating and paternity in grey mouse lemurs, <i>Microcebus murinus</i> .. .. .	259
RANDLER, C. Avian hybridization, mixed pairing and female choice .. .. .	103
rats: odour-mediated behavioural enhancement .. .. .	1055
<i>Rattus norvegicus</i> : odour-mediated behavioural enhancement in .. .. .	1055
receiver bias for symmetry .. .. .	617
redback spiders: male remating and functional sterility .. .. .	857
red-winged blackbirds: parental foraging for the brood .. .. .	779
reef fish selection of cleaner fish .. .. .	557
REIF, M., LINSSENMAIR, K.E., HEISENBERG, M. Evolutionary significance of courtship conditioning in <i>Drosophila melanogaster</i> .. .. .	143
reproduction and male size in fish .. .. .	727
reproductive behaviours in male leopard geckos .. .. .	487
reproductive state and care giving in <i>Stegodyphus</i> .. .. .	649
reproductive tactics and mate guarding in ants .. .. .	597
resource distribution on activity and territory defence in house mice .. .. .	531
REYNOLDS, J.D. see MILLS, S.C.	
rhesus monkey: screams, variation within .. .. .	47
<i>Rhodeus sericeus</i> : host species preferences by .. .. .	1029
RICHARDSON, D.S. see STANBACK, M.	





SMITH, H.G. <i>see</i> OLSSON, O.	
SMITH, V.A., KING, A.P., WEST, M.J. The context of social learning: association patterns in a captive flock of brown-headed cowbirds .. .. .	23
snails: prey responses to pulses of risk and safety .. .. .	437
snapping shrimp: intersexual behaviours in .. .. .	767
SÁNCHEZ-GUILLÉN, R.A. <i>see</i> ANDRÉS, J.A.	
SNOWDON, C.T.	
<i>see</i> DE LA TORRE, S.	
<i>see</i> WASHABAUGH, K.F.	
social behaviour and blood parasites in black iguana .. .. .	311
social dispersal by domestic chicks .. .. .	659
social learning	
association patterns in brown-headed cowbirds .. .. .	23
in chickens, cannibalistic behaviour spread by .. .. .	1153
and novel food in domestic hens .. .. .	933
social monogamy in snapping shrimp .. .. .	767
social recognition and approach in the chick .. .. .	697
sociality in spiders .. .. .	649
SOL, D., TIMMERMANS, S., LEFEBVRE, L. Behavioural flexibility and invasion success in birds .. .. .	495
SOLER, J.J. <i>see</i> DE NEVE, L.	
SOMMER, V., DENHAM, A., LITTLE, K. Postconflict behaviour of wild Indian langur monkeys: avoidance of opponents but rarely affinity .. .. .	637
song sparrows, song matching in .. .. .	1143
songbirds: noise-dependent song regulation .. .. .	891
song/singing	
amplitude regulation in songbirds .. .. .	891
and body mass of European robins .. .. .	285
costs of in nightingales .. .. .	959
ecological effects on learning .. .. .	475
matching of in song sparrows .. .. .	1143
size and change in composition of avian repertoires .. .. .	623
SOUSA-LIMA, R., PAGLIA, A.P., DA FONSECA, G.A.B. Signature information and individual recognition in the isolation calls of Amazonian manatees, <i>Trichechus inunguis</i> (Mammalia: Sirenia) .. .. .	301
spawning readiness, posture cue for in female sticklebacks .. .. .	743
sperm competition in common dung fly .. .. .	541
<i>Spermophilus citellus</i> : mating success in .. .. .	157
<i>Spheniscus magellanicus</i> : foraging strategies in .. .. .	85
<i>Sphodromantis lineola</i> : responses to computer-generated visual stimuli by .. .. .	503
spiders	
antipredator benefits of group living .. .. .	445
redback, male remating and functional sterility .. .. .	857
reproductive state and care giving .. .. .	649
STAMPS, J.A. <i>see</i> HANLEY, K.A.	
STANBACK, M., RICHARDSON, D.S., BOIX-HINZEN, C., MENDELSON, J. Genetic monogamy in Monteiro's hornbill, <i>Tockus monteiri</i> .. .. .	787
starlings	
costs and preferences in food rewards .. .. .	246
foraging under predation risk in .. .. .	981
mate choice and light environment .. .. .	69
state-free optimization model for sequences of behaviour .. .. .	183
<i>Stegodyphus</i> : reproductive state and care giving .. .. .	649
sterility in redback spiders .. .. .	857
STEWART, P.D., MACDONALD, D.W., NEWMAN, C., TATTERSALL, F.H. Behavioural mechanisms of information transmission and reception by badgers, <i>Meles meles</i> , at latrines .. .. .	999
sticklebacks: spawning readiness in .. .. .	743
stumptailed macaques: postconflict third-party affiliation .. .. .	209
<i>Sturnus vulgaris</i>	
costs and preferences in food rewards .. .. .	246
foraging under predation risk .. .. .	981
mate choice and light environment .. .. .	69

SUN, L.X. <i>see</i> SHINE, R.	
superb fairy-wrens: parental response to begging	923
swordtails	
female mate preference in	27, 463, 469
female preference for composite male trait in	469
<i>Sylvia communis</i> : female behaviour and male courtship	251
symmetry, receiver bias for	617
<i>Tachycineta bicolor</i> : maternal testosterone in eggs	63
<i>Taeniopygia guttata</i> : mate choice and light environment	69
TAI, P.-L. <i>see</i> TSO, I.-M.	
tail-up display and partner recognition in butterflyfish	165
<i>Talorchestia quoyana</i> : parasitism and burrowing depth of	269
tamarins	
cotton-top, perception of object relations	419
infant care by	1163
maternal care, variation in	453
TATTERSALL, F.H. <i>see</i> STEWART, P.D.	
TAUTZ, J. <i>see</i> WEIDENMÜLLER, A.	
TAYLOR, A.J. <i>see</i> ORD, T.J.	
territorial behaviour	
in female chimpanzees	347
in male leopard geckos	487
and resource distribution in house mice	531
territorial cooperation in snapping shrimp	767
testosterone	
and paternal care in chestnut-collared longspur	795
in tree swallow eggs	63
tetras: predator inspection behaviour in	1175
<i>Tetras tetras</i> : lekking behaviour	899
THOMAS, R.J., CUTHILL, I.C. Body mass regulation and the daily singing routines of European robins	285
THOMAS, R.J. The costs of singing in nightingales	959
THOMAS, S.A. Scent marking and mate choice in the prairie vole, <i>Microtus ochrogaster</i>	1121
TIELEMAN, B.I., WILLIAMS, J.B. Effects of food supplementation on behavioural decisions of hoopoe-larks in the Arabian desert: balancing water, energy and thermoregulation	519
TIMMERMAN, S. <i>see</i> SOL, D.	
TINBERGEN, J.M. <i>see</i> VERBOVEN, N.	
<i>Tockus monteiri</i> : genetic monogamy in	787
TODT, D. <i>see</i> BRUMM, H.	
TÖRÖK, J. <i>see</i> GARAMSZEGI, L.A.	
'trade-off' hypothesis in rock sparrows	967
TRAINOR, B.C. <i>see</i> BASOLO, A.L.	
tree swallow: maternal testosterone in eggs	63
treefrogs	
differentiating advertisement from encounter calls	1183
female discrimination of male calls	15
pattern recognition and call preferences in	7
<i>Trichechus inunguis</i> : signature information and individual recognition in calls	301
TRIMBLE, J.F. <i>see</i> PAZ-Y-MIÑO, C.	
trophallaxis in honeybees	1
TSO, I.-M., TAI, P.-L., KU, T.-H., KUO, C.-H., YANG, E.-C. Colour-associated foraging success and population genetic structure in a sit-and-wait predator <i>Nephila maculata</i> (Araneae: Tetragnathidae)	175
<i>Uca pugnator</i> : flock movement in	735
UETZ, G.W., BOYLE, J., HIEBER, C.S., WILCOX, R.S. Antipredator benefits of group living in colonial web-building spiders: the 'early warning' effect	445
ultraviolet reflectance and male attractiveness in guppies	391
ultraviolet reflection and female mate choice in pied flycatcher	97
VANNINI, M. <i>see</i> CANNICCI, S.	
VERBOVEN, N., TINBERGEN, J.M. Nest desertion: a trade-off between current and future reproduction	951
vibration signals in honeybee colonies	361
VIITALA, J. <i>see</i> SIITARI, H.	

VISCIDO, S.V., WETHEY, D.S. Quantitative analysis of fiddler crab flock movement: evidence for 'selfish herd' behaviour .. .. .	735
vision	
and communication in lizards .. .. .	879
social recognition and approach in the chick .. .. .	697
visual preferences in starlings and blue tits .. .. .	69
visual recognition of predators by mangrove climbing crabs .. .. .	77
visual stimuli, computer-generated, responses to by praying mantis .. .. .	503
vocalization	
clans in killer whales .. .. .	1103
communication of wild pygmy marmosets .. .. .	847
graded variation within rhesus monkey screams .. .. .	47
and parental foraging for the brood .. .. .	779
production, nonlinear phenomena in mammals .. .. .	407
VOIGT, C.C. Individual variation in perfume blending in male greater sac-winged bats .. .. .	907
WAGNER, W.E. Jr see ROSENTHAL, G.G.	
WAINSELBOIM, A.J., ROCES, F., FARINA, W.M. Honeybees assess changes in nectar flow within a single foraging bout .. .. .	1
WASHABAUGH, K.F., SNOWDON, C.T., ZIEGLER, T.E. Variations in care for cottontop tamarin, <i>Saguinus oedipus</i> , infants as a function of parental experience and group size .. .. .	1163
water striders: male-female conflict, female choice and male-male competition in .. .. .	1079
weaverbirds: egg discrimination in .. .. .	1135
WEBBERLEY, K.M., HURST, G.D.D., BUSZKO, J., MAJERUS, M.E.N. Lack of parasite-mediated sexual selection in a ladybird/sexually transmitted disease system .. .. .	131
web-building spiders: antipredator benefits of group living .. .. .	445
WEIDENMÜLLER, A., KLEINEIDAM, C., TAUTZ, J. Collective control of nest climate parameters in bumblebee colonies .. .. .	1065
WEIR, L.K. see GRANT, J.W.A.	
WEST, M.J. see SMITH, V.A.	
West African assassin bugs: nymphal camouflage .. .. .	277
WETHEY, D.S. see VISCIDO, S.V.	
whitethroats: female behaviour and male courtship .. .. .	251
WHITTINGHAM, L.A., SCHWABL, H. Maternal testosterone in tree swallow eggs varies with female aggression .. .. .	63
WILCOX, R.S. see UETZ, G.W.	
WILEY, R.H. see WOLLERMAN, L.	
WILLIAMS, J.B. see TIELEMAN, B.I.	
WILLIAMS, J.M., PUSEY, A.E., CARLIS, J.V., FARM, B.P., GOODALL, J. Female competition and male territorial behaviour influence female chimpanzee's ranging patterns .. .. .	347
WILSON, R.P., ROPERT-COUDERT, Y., KATO, A. Rush and grab strategies in foraging marine endotherms: the case for haste in penguins .. .. .	85
wing pigmentation in territorial male damselflies .. .. .	759
WINGFIELD, J.C. see LYNN, S.E.	
WITTE, K., RYAN, M.J. Mate choice copying in the sailfin molly, <i>Poecilia latipinna</i> , in the wild .. .. .	943
WOLLERMAN, L., WILEY, R.H. Background noise from a natural chorus alters female discrimination of male calls in a Neotropical frog .. .. .	15
<i>Xiphophorus</i> : female mate preference .. .. .	463
<i>Xiphophorus helleri</i> : female mate preference .. .. .	469
<i>Xiphophorus nigrensis</i> : female mate preference .. .. .	37
YABUTA, S. Uncertainty in partner recognition and the tail-up display in a monogamous butterflyfish .. .. .	165
YANG, E.-C. see TSO, I.-M.	
YURK, H., BARRETT-LENNARD, L., FORD, J.K.B., MATKIN, C.O. Cultural transmission within maternal lineages: vocal clans in resident killer whales in southern Alaska .. .. .	1103
ZIEGLER, T.E. see WASHABAUGH, K.F.	
ZIMMERMANN, E. see RADESPIEL, U.	
ZUBERBÜHLER, K. A syntactic rule in forest monkey communication .. .. .	293

# BOOK REVIEWS



ALCOCK, J. Animal Behavior: An Evolutionary Approach .. .. .	1195
ALCOCK, J. The Triumph of Sociobiology .. .. .	827
BOLHUIS, J.J. Brain, Perception, and Memory .. .. .	1196
CHITTKA, L. and THOMSON, J.D. Cognitive Ecology of Pollination. Animal Behavior and Floral Evolution .. .. .	830
COMBES, C. Parasitism: The Ecology and Evolution of Intimate Interactions .. .. .	633
CONNER, R.N., RUDOLPH, D.C. and WALTERS, J.R. The Red-cockaded Woodpecker: Surviving in a Fire-maintained Ecosystem .. .. .	831
EVANS, P.G.H. and RAGA, J.A. Marine Mammals: Biology and Conservation .. .. .	1199
GWYNNE, D.T. Katydid and Bush-Crickets: Reproductive Behavior and Evolution of the Tettigoniidae ..	830
JAHME, C. Beauty and the Beasts: Women, Ape, and Evolution .. .. .	828
MATSUZAWA, T. Primate Origins of Human Cognition and Behavior .. .. .	829
MONAMY, V. Animal Experimentation: A Guide to the Issues .. .. .	631
MOORE, J. Parasites and the Behaviour of Animals .. .. .	1198
NOË, R. VAN HOOFF, J.A.R.A.M., HAMMERSTEIN, P. Economics in Nature. Social Dilemmas, Mate Choice and Biological Markets .. .. .	632
STANFORD, C. Significant Others: The Ape-Human Continuum and the Quest for Human Nature ..	832

DÍAZ-URIARTE, R. Incorrect analysis of crossover trials in animal behaviour research .. .. .	815
GARAMSZEGI, L.A., BOULINIER, T., MØLLER, A.P., TÖRÖK, J., MICHL, G., NICHOLS, J.D. The estimation of size and change in composition of avian song repertoires .. .. .	623
GETTY, T. The discriminating babbler meets the optimal diet hawk .. .. .	397
KOREN, L., MOKADY, O., KARASKOV, T., KLEIN, J., KOREN, G., GEFFEN, E. A novel method using hair for determining hormonal levels in wildlife .. .. .	403
MacFARLANE, G.R., KING, S.A. Observer presence influences behaviour of the semaphore crab, <i>Helocious cordiformis</i> .. .. .	1191
NEUHÄUSER, M. Two-sample tests when variances are unequal .. .. .	823
SÆTHER, S.A. Kin selection, female preferences and the evolution of leks: direct benefits may explain kin structuring .. .. .	1017
SCHILHAB, T.S.S. Anthropomorphism and mental state attribution .. .. .	1021
TOMKINS, J.L., SIMMONS, L.W. Measuring relative investment: a case study of testes investment in species with alternative male reproductive tactics .. .. .	1009



CAMERON, E.Z., LINKLATER, W.L. Sex bias in studies of sex bias: the value of daughters to mothers in poor condition .. .. .	F5
CARRANZA, J. What did Trivers and Willard really predict? .. .. .	F1
JENKINS, S.H. Data pooling and type I errors: a comment on Leger & Didrichsons .. .. .	F9

## REVIEWS



FITCH, W.T., NEUBAUER, J., HERZEL, H. Calls out of chaos: the adaptive significance of nonlinear phenomena in mammalian vocal production .. .. .	407
ROULIN, A. Why do lactating females nurse alien offspring? A review of hypotheses and empirical evidence .. .. .	201

